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an electronic control unit for controlling the output stages using operating PWM control signals, a pulse width of the control signals being reducible as a function of a magnitude of a supply voltage and a specified setpoint such that the motor is protected against overloading, the control signals being determined by a specified operating setpoint up to a nominal voltage of the supply voltage, the pulse width of the control signals being reducible in linear or nonlinear proportion to an increasing supply voltage only upon exceeding the nominal voltage.

9. (New) The motor according to claim 8, wherein the pulse width is reduced at an increasing rate in proportion to an increasing specified setpoint and an increasing supply voltage.
10. (New) The motor according to claim 8, further comprising a correction unit assigned to the control unit that delivers, to the output stages, the control signals determined according to the specified setpoint, either unchanged or as reduced control signals, as a function of the magnitude of the supply voltage.
11. (New) The motor according to claim 10, wherein the control signals are delivered unchanged to the output stages until reaching the nominal voltage, the pulse width being reduced according to a setting provided by the correction unit only when the supply voltage begins to increase.
12. (New) The motor according to claim 10, wherein the correction unit is integrated into the control unit, which delivers the control signals to the output stages, either unchanged or with a reduced pulse width, as a function of the magnitude of the supply voltage.
13. (New) The motor according to claim 8, wherein the reduction of the pulse width of the control signals takes place as a function of a speed of the motor.

Remarks

This Preliminary Amendment cancels without prejudice original claims 1-7 and substitute claim 1 in the underlying PCT Application No. PCT/DE00/03055, and adds